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PNNL-1

27 September 1999

~~30 June 1999~~

4.4 PACIFIC NORTHWEST NATIONAL LABORATORY WASTE MANAGEMENT PROJECT

The purpose of the Pacific Northwest National Laboratory (PNNL) Waste Management and Operational Compliance Program is to provide waste management services and compliant operations in support of science and technology development for the multi-program needs of the DOE Complex.

4.4.a Project Structure

- PNNL Waste Management (RL-ST01)

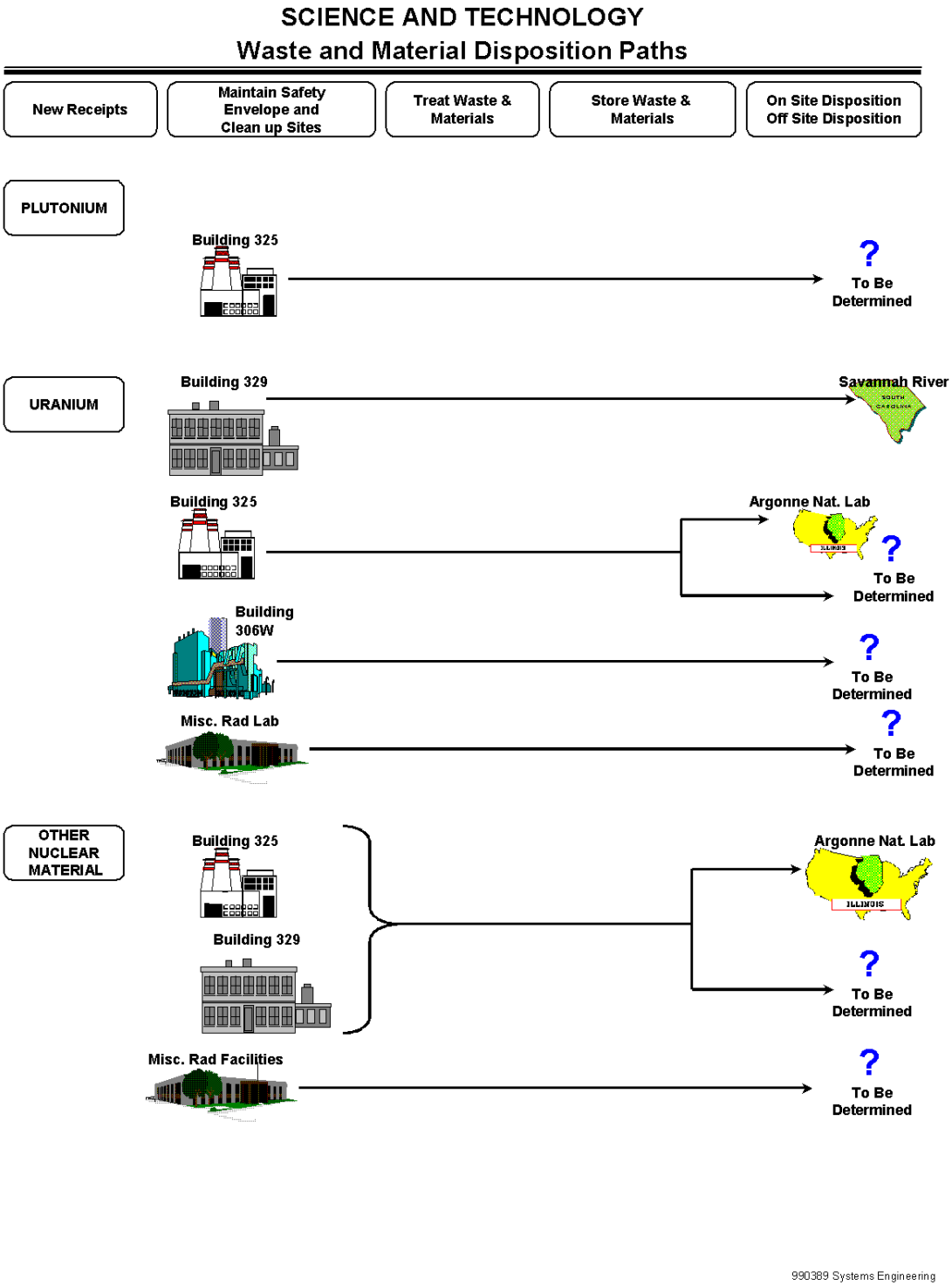
4.4.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Contaminated soil sites will be treated to levels supportive of future use targets or regulator-specified levels for each geographic area as prescribed by CERCLA/RCRA decisions.
- Solid wastes will be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes. Hanford will continue to receive onsite and offsite wastes for disposal in the 200 Area.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.

4.4.c Technical Logic

Figure 4-9 PNNL Waste Management Material/Flow Logic



4.4.d Facility Life-Cycle Responsibility Assignments

Generally, the surveillance and maintenance activities for all facilities at PNNL are funded through overheads generated from the various research programs in each facility with one exception. Project Baseline Summary (PBS) RL-ST01 provides for minimum safe, essential surveillance and maintenance and safe containment of radioactive materials in the 325 Building (Radiochemical Processing Laboratory) and also in surplus legacy facilities until transferred to the appropriate EM program for final disposition. However, for simplicity, the PBS RL-ST01 is shown in this table to designate the O&M responsibility for all DOE facilities assigned to PNNL.

Landlord support for capital improvement will include the following buildings: 318, 325, 3730, 3760, 2718E, 318 Tr. 4, 622A, 622B, 622C, 622R, 747A and 747A Tr.1.

Table 4-75 Science & Technology Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
Misc Engineering Laboratories	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
332	RL-ST01				RL-ST01	RL-ST01 RL-TP13	
336	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
338	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
325 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
326 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
329 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
306W	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
Misc Radiological Facilities	RL-ST01 RL-TP14				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
2718E	RL-ST01				RL-ST01	RL-TP10	RL-ER06
303C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
305B	RL-ST01				RL-ST01	RL-TP14	RL-ER03
314	RL-ST01					RL-TP14	RL-ER06
314B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
318	RL-ST01				RL-ST01	RL-TP14	RL-ER06 RL-ER07
320	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
323	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3708	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3720	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3730	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3731A	RL-ST01					RL-TP14	RL-ER03
3745	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3745B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
331	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331A	RL-ST01						RL-ER06
331B	RL-ST01					RL-TP14	RL-ER06
331C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331D	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331 Dog Run	RL-ST01					RL-TP14	RL-ER06

Table 4-75 Science & Technology Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
331G	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331H	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3020 Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
Environmental Support Facilities	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
RoR Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
100EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
1614-D-3	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
CP Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
213J	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
614	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
614BYRL	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622C	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622R					RL-ST01 RL-TP13	RL-TP13	RL-TP13
S600 Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652C	RL-ST01					RL-ST01	RL-TP13
6652CSHED	RL-ST01					RL-ST01	RL-TP13
6652D	RL-ST01					RL-ST01	RL-TP13
6652DOME1	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652DOME2	RL-ST01					RL-ST01	RL-TP13
6652E	RL-ST01				RL-ST01 RL-TP13	RL-ST01	RL-TP13
6652G	RL-ST01					RL-ST01	RL-TP13
6652H	RL-ST01				RL-ST01	RL-TP10	RL-ER02
6652I	RL-ST01					RL-ST01	RL-TP13
6652J	RL-ST01					RL-ST01	RL-TP13
6652L	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652M	RL-ST01					RL-ST01	RL-TP13
6652T (6652LP)						RL-ST01	RL-TP13
6652UP	RL-ST01					RL-ST01	RL-TP13
300EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
400EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
300LYS	RL-ST01				RL-ST01	RL-ST01	RL-ER03
3614A	RL-ST01					RL-ST01 RL-TP13	RL-TP13
747A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
747A Tr1	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
303J	RL-ST01				RL-ST01 RL-TP13	RL-ST01 RL-TP13	RL-TP13
3718A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13

Table 4-75 Science & Technology Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
3718P	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718S	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3731	RL-ST01				RL-ST01		RL-ER03
337	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3760	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3762	RL-ST01				RL-ST01		RL-ER03
3764	RL-ST01				RL-ST01		RL-ER03
3767	RL-ST01						
MO226	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350A	RL-ST01				RL-ST01		RL-ER03
350B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350C	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350D	RL-ST01				RL-ST01		RL-ER03

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-ST01 - PNNL Waste Management
RL-TP10 - Accelerated Deactivation
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization

TABLE 4-76 Science & Technology Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
332 SF, 332 Storage Facility, 332 Hazardous Waste Storage Area, 332 Interim Holding Facility	Closed Out	RL-ST01		
300-14, 331 Building Animal Waste Tanks Pit	Rejected	RL-ST01		RL-ER03
300-163, 3708 Building Steam Condensate, Miscellaneous Stream #423	Rejected	RL-ST01		
300-186, 3730 Building Steam Condensate, Miscellaneous Stream #383	Rejected	RL-ST01		
300-187, 3730 Building Steam Condensate, Miscellaneous Stream #421	Rejected	RL-ST01		
300-188, 3730 Building Steam Condensate, Miscellaneous Stream #420	Rejected	RL-ST01		
300-189, 3731 Building Steam Condensate, Miscellaneous Stream #269	Rejected	RL-ST01		
300-196, 3745 Building Steam Condensate, Miscellaneous Stream #399	Rejected	RL-ST01		
300-197, 3745 Building Steam Condensate, Miscellaneous Stream #398, Injection Well #5	Rejected	RL-ST01		
300-198, 3745 Building Steam Condensate, Miscellaneous Stream #397, Injection Well #1	Rejected	RL-ST01		
300-199, 3745B Building Steam Condensate, Miscellaneous Stream #380	Rejected	RL-ST01		
300-200, 3745B Building Steam Condensate, Miscellaneous Stream #379	Rejected	RL-ST01		
300-201, 3762 Building Steam Condensate, Miscellaneous Stream #491, Injection Well #42	Rejected	RL-ST01		
300-203, 377 Building Steam Condensate, Miscellaneous Stream #446, Injection Well #36	Rejected	RL-ST01		

TABLE 4-76 Science & Technology Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
300-212, MO010 Building Steam Condensate Sump, Miscellaneous Stream #400	Rejected	RL-ST01		
300-58, 305B Steam Condensate Injection Well, Miscellaneous Stream #449	Rejected	RL-ST01		
300-62, 303C Building - Steam Condensate, Miscellaneous Stream #495	Rejected	RL-ST01		
300-65, 303J Building - Steam Condensate Mud Leg (Part of 300 Main Supply), Miscellaneous Stream #266	Rejected	RL-ST01		
300-66, 303J Building HVAC Condensate, Miscellaneous Stream #267	Rejected	RL-ST01		
300-76, 306W Building Steam Condensate, Miscellaneous Stream #418	Rejected	RL-ST01		
300-85, 323 Building Steam Valve Pit, Miscellaneous Stream #453	Rejected	RL-ST01		
300-88, 320 Building Irrigation Line Effluent, Miscellaneous Stream #626	Rejected	RL-ST01		
300-89, 320 Building Irrigation Line Effluent, Miscellaneous Stream #627	Rejected	RL-ST01		
300-90, 320 Building Irrigation Line Effluent, Miscellaneous Stream #628	Rejected	RL-ST01		
300-91, 320 Building, Miscellaneous Stream #350	Rejected	RL-ST01		
300-96, 325 Building Steam Condensate, Miscellaneous Stream #707	Rejected	RL-ST01		
300-99, 325 Building Nitrogen Tank Blowdown Miscellaneous Stream #265, Injection Well #399-3	Rejected	RL-ST01		
350 HWSA, 350 Building Hazardous Waste Storage Area, 350-D Hazardous Waste Staging Area	Rejected	RL-ST01		RL-ER03
BTTF, Biological Treatment Test Facilities	Closed Out	RL-ST01		
PCTTF, Physical and Chemical Treatment Test Facilities	Closed Out	RL-ST01		
TTTF, Thermal Treatment Test Facilities	Closed Out	RL-ST01		
UPR-300-43, 300 Area Solvent Refined Coal Spill, UN-300-43	Rejected	RL-ST01		RL-ER03

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-ST01 - PNNL Waste Management

4.4.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable a key step in waste/material cleanup to occur. For PNNL Waste Management, these activities may involve such items as facility and system upgrades, obtaining regulatory permits, the negotiation of waste disposal contracts, and operations of the TSD facility.

Second, there are performance measures that track the progress made in the processing of wastes and other materials (including facilities). These "process" measures monitor changes in waste/material form, storage method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material during each major processing step as the material transitions from its initial configuration to the configuration described by the appropriate endpoint target. For some types of wastes, endpoint targets are presented in the Hanford Strategic Plan and are included in the Facility Life-Cycle Requirements

Section for the project. For waste materials that do not have explicit endpoint targets, performance measures will monitor the processing and movement of wastes that are conducted to achieve appropriate performance objectives (as presented in Multi-Year Work Plans).

4.4.1 PNNL Waste Management

4.4.1.1 Project Description Summary

The following is a summary of work performed:

1. The DOE-EM research laboratory facilities assigned to PNNL needed for science and technology development are maintained in a minimum safe condition, and the required monitoring of these facilities is performed. This Base Operations activity covers the essential surveillance and maintenance (S&M) of facilities and essential building systems required for the safe containment of radioactive materials utilized at PNNL. The facilities are maintained in a manner that maximizes their availability to support science and technology development projects without interruption.

2. The waste management infrastructure required to manage the packaging and disposal of DOE's solid wastes that are currently generated at PNNL is included. Also included is support necessary to manage DOE's liquid and air effluents at PNNL to meet compliance and effluent discharge system operating requirements, and control risks from unregulated effluents.

3. Operational compliance services for PNNL are provided to meet regulatory requirements and operating permits associated with DOE's site-wide waste management program including environment, safety and health regulations. These infrastructure capabilities are funded by EM to ensure that PNNL is responsive to waste management regulations and to ensure the support of PNNL for the Hanford cleanup effort. This collaborative effort between contractors, in accordance with EM standards, ensures economies of scale are realized on site-wide issues and eliminates redundant and potentially conflicting approaches by various site contractors.

4. All legacy waste and contamination resulting from projects conducted within DOE facilities and ground contamination sites currently assigned to PNNL are to be identified, characterized, and ultimately remedied.

4.4.1.2 Life-Cycle Material and Waste Flow

Table 4-77 PNNL Waste Management Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Misc Engineering Laboratories	Industrial Waste Water	2000 - 2030	308000	cubic meters
325 Facility	Depleted Uranium (DU)	2000 - 2000	0.01	kilograms
	HLW	2000 - 2018	357.0	cubic meters
	Industrial Waste Water	2000 - 2030	61600	cubic meters
	Low Enriched Uranium (LEU)	2000 - 2000	150.0	kilograms
	Misc NF	2001 - 2001	10.5	kilograms
	Misc NM	2000 - 2000	0.06	kilograms
	Misc SNM	2000 - 2000	0.045	kilograms
	Natural Uranium (NU)	2000 - 2000	2.0	kilograms
	Plutonium (Pu)	2000 - 2001	0.204	kilograms
326 Facility	Industrial Waste Water	2000 - 2030	24600	cubic meters

Table 4-77 PNNL Waste Management Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
329 Facility	Industrial Waste Water	2000 - 2030	308000	cubic meters
	Misc NM	2000 - 2000	100.0	kilograms
306W	Industrial Waste Water	2000 - 2007	99400	cubic meters
	Low Enriched Uranium (LEU)	2001 - 2001	2.0	kilograms
Misc Radiological Facilities	CH LLMW III	2000 - 2010	96.0	cubic meters
	CH TRU	2000 - 2010	6.8	cubic meters
	Depleted Uranium (DU)	2008 - 2008	10.0	kilograms
	Highly Enriched Uranium (HEU)	2008 - 2008	0.01	kilograms
	Industrial Waste Water	2000 - 2030	1740000	cubic meters
	Low Enriched Uranium (LEU)	2000 - 2008	1260	kilograms
	Misc NM	2001 - 2008	294.0	kilograms
	Natural Uranium (NU)	2008 - 2008	5.0	kilograms
	Plutonium (Pu)	2008 - 2008	0.003	kilograms
	RH LLMW III	2000 - 2010	19.7	cubic meters
331 Facility	Industrial Waste Water	2000 - 2030	1230000	cubic meters

4.4.1.3 Facility Life-Cycle Requirements

- Requirements

  - Solid wastes shall be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes.

- Planning Assumptions

  - Contaminated soil sites will be treated to levels supportive of future use targets or regulator-specified levels for each geographic area as prescribed by CERCLA/RCRA decisions.
  - Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
  - Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.
  - South 600 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 325 facility shall be maintained within the approved safety envelope.
  - 325 facility shall be operated within the approved safety envelope.
  - 326 facility shall be maintained within the approved safety envelope.
  - 326 facility shall be operated within the approved safety envelope.
  - 329 facility shall be maintained within the approved safety envelope.
  - 329 facility shall be operated within the approved safety envelope.
  - 306W facility shall be maintained within the approved safety envelope.
  - 306W facility shall be operated within the approved safety envelope.
  - 331 facility shall be maintained within the approved safety envelope.
  - 331 facility shall be operated within the approved safety envelope.
  - Hanford Surplus Facility Program special nuclear materials contained in various buildings shall be surveilled and maintained within the approved safety envelope.
  - 300 Area nuclear materials shall be remediated.

4.4.1.4 Project Safety Authorization Basis/NEPA and Permits

Some project work will be performed in the Radiochemical Processing Laboratory (RPL, i.e., the 325 Building), a Category II Nuclear Facility. The RPL is PNNL's only nuclear facility. The Authorization Basis for this facility is:

- "Safety Analysis Report for the Radiochemical Processing Laboratory," PNNL-SAR-RPL
- "Technical Safety Requirements for the Radiochemical Processing Laboratory," PNNL-TSR-RPL
- RL Safety Evaluation Report (SER) for the RPL SAR and TSRs.

Safety policies, programs, and procedures that provide controls for other PNNL non-nuclear facilities are defined and implemented through PNNL's Standards-Based Management System (SBMS).

Although no programmatic NEPA documentation addresses the overall Pacific Northwest research and technology development mission or EM facilities operated by the Laboratory, Pacific Northwest shall continue to review all proposed activities on a project-by-project basis to ensure compliance with NEPA.

4.4.1.5 Tri-Party Agreement Requirements

The PNNL Waste Management Project provides support to achieve the following milestones:

- TPA.M.92.0 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site Cesium and Strontium capsules (Cs/Sr), bulk Sodium (Na), and 300 Area Special Waste (SCW). [Due Date: TBD]
- TPA.M.92.15 TPA Milestone M-92-15 Complete removal and transfer, and initiate storage of Phase II 300 Area SCW and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials by September 30, 2004.
- TPA.M.92.16 TPA Milestone M-92-16 complete removal and transfer, and initiate storage of Phase III 300 Area SCW and materials by September 30, 2006.

4.4.1.6 Interfaces

TABLE 4-78 PNNL Waste Management Interfaces

Project Title	Project Number	Interface
Oak Ridge National Laboratory	EXTERNAL	Receives 329 Misc NM Receives Misc Rad Facility Misc NM
Argonne National Laboratory - East	EXTERNAL	Receives 325 Low Enriched Uranium Receives 325 Misc NM
Offsite Landfill	EXTERNAL	Receives Solid Sanitary Waste from Environmental Support Facility

TABLE 4-78 PNNL Waste Management Interfaces (Continued)

Project Title	Project Number	Interface
Hanford Legacy	EXTERNAL	Provides Legacy 306W Depleted Uranium Provides Legacy 329 Low Enriched Uranium Provides Legacy 329 Plutonium Provides Legacy Misc Rad Facility Misc SNM
Tank Farm Operations	RL-TW03	Receives 325 Building, HLW
Solid Waste Storage & Disposal	RL-WM03	Receives PNNL, CH-LLMW-III Receives PNNL, CH-TRU Receives PNNL, RH-LLMW-III
Liquid Effluents	RL-WM05	Receives 306W Industrial Waste Water Transfers Receives 325 Potentially Contaminated Waste Water Receives 326 Building Process Sewer Industrial Waste Water Transfer Receives 326 Potentially Contaminated Waste Water Receives 329 Building Process Sewer Industrial Waste Water Transfer Receives 329 Potentially Contaminated Waste Water Receives 331 Complex Industrial Waste Water Transfer Receives 338 Industrial Waste Water Receives Misc Rad Facility Industrial Waste Water Transfers
Hanford Surplus Facility Prog 300A Revitalization	RL-TP14	Receives Excess 306W Facility Receives Excess 325 Building Receives Excess 326 Building Receives Excess 329 Building Receives Excess 331 Facility Receives Excess Misc. Rad Labs
Landlord	RL-TP13	Receives Excess Environmental Support Facilities

4.4.1.7 Requirements References

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-EP-0063, Hanford Site Solid Waste Acceptance Criteria"
- WHC-EP-0063, Hanford Site Solid Waste Acceptance Criteria"